

acid in the medium, and collecting the L-glutamic acid, wherein a penicillin binding protein (PBP) is not produced or the function of a penicillin binding protein is reduced or eliminated in said bacteria due to a mutation in said produced penicillin binding protein and said bacteria have the ability to produce L-glutamic acid.

C1
C2
C3
C4
C5
C6
C7
C8
C9
C10
C11
C12
C13
C14
C15
C16
C17
C18
C19
C20
C21
C22
C23
C24
C25
C26
C27
C28
C29
C30
C31
C32
C33
C34
C35
C36
C37
C38
C39
C40
C41
C42
C43
C44
C45
C46
C47
C48
C49
C50
C51
C52
C53
C54
C55
C56
C57
C58
C59
C60
C61
C62
C63
C64
C65
C66
C67
C68
C69
C70
C71
C72
C73
C74
C75
C76
C77
C78
C79
C80
C81
C82
C83
C84
C85
C86
C87
C88
C89
C90
C91
C92
C93
C94
C95
C96
C97
C98
C99
C100
C101
C102
C103
C104
C105
C106
C107
C108
C109
C110
C111
C112
C113
C114
C115
C116
C117
C118
C119
C120
C121
C122
C123
C124
C125
C126
C127
C128
C129
C130
C131
C132
C133
C134
C135
C136
C137
C138
C139
C140
C141
C142
C143
C144
C145
C146
C147
C148
C149
C150
C151
C152
C153
C154
C155
C156
C157
C158
C159
C160
C161
C162
C163
C164
C165
C166
C167
C168
C169
C170
C171
C172
C173
C174
C175
C176
C177
C178
C179
C180
C181
C182
C183
C184
C185
C186
C187
C188
C189
C190
C191
C192
C193
C194
C195
C196
C197
C198
C199
C200
C201
C202
C203
C204
C205
C206
C207
C208
C209
C210
C211
C212
C213
C214
C215
C216
C217
C218
C219
C220
C221
C222
C223
C224
C225
C226
C227
C228
C229
C230
C231
C232
C233
C234
C235
C236
C237
C238
C239
C240
C241
C242
C243
C244
C245
C246
C247
C248
C249
C250
C251
C252
C253
C254
C255
C256
C257
C258
C259
C260
C261
C262
C263
C264
C265
C266
C267
C268
C269
C270
C271
C272
C273
C274
C275
C276
C277
C278
C279
C280
C281
C282
C283
C284
C285
C286
C287
C288
C289
C290
C291
C292
C293
C294
C295
C296
C297
C298
C299
C300
C301
C302
C303
C304
C305
C306
C307
C308
C309
C310
C311
C312
C313
C314
C315
C316
C317
C318
C319
C320
C321
C322
C323
C324
C325
C326
C327
C328
C329
C330
C331
C332
C333
C334
C335
C336
C337
C338
C339
C340
C341
C342
C343
C344
C345
C346
C347
C348
C349
C350
C351
C352
C353
C354
C355
C356
C357
C358
C359
C360
C361
C362
C363
C364
C365
C366
C367
C368
C369
C370
C371
C372
C373
C374
C375
C376
C377
C378
C379
C380
C381
C382
C383
C384
C385
C386
C387
C388
C389
C390
C391
C392
C393
C394
C395
C396
C397
C398
C399
C400
C401
C402
C403
C404
C405
C406
C407
C408
C409
C410
C411
C412
C413
C414
C415
C416
C417
C418
C419
C420
C421
C422
C423
C424
C425
C426
C427
C428
C429
C430
C431
C432
C433
C434
C435
C436
C437
C438
C439
C440
C441
C442
C443
C444
C445
C446
C447
C448
C449
C450
C451
C452
C453
C454
C455
C456
C457
C458
C459
C460
C461
C462
C463
C464
C465
C466
C467
C468
C469
C470
C471
C472
C473
C474
C475
C476
C477
C478
C479
C480
C481
C482
C483
C484
C485
C486
C487
C488
C489
C490
C491
C492
C493
C494
C495
C496
C497
C498
C499
C500
C501
C502
C503
C504
C505
C506
C507
C508
C509
C510
C511
C512
C513
C514
C515
C516
C517
C518
C519
C520
C521
C522
C523
C524
C525
C526
C527
C528
C529
C530
C531
C532
C533
C534
C535
C536
C537
C538
C539
C540
C541
C542
C543
C544
C545
C546
C547
C548
C549
C550
C551
C552
C553
C554
C555
C556
C557
C558
C559
C560
C561
C562
C563
C564
C565
C566
C567
C568
C569
C570
C571
C572
C573
C574
C575
C576
C577
C578
C579
C580
C581
C582
C583
C584
C585
C586
C587
C588
C589
C590
C591
C592
C593
C594
C595
C596
C597
C598
C599
C600
C601
C602
C603
C604
C605
C606
C607
C608
C609
C610
C611
C612
C613
C614
C615
C616
C617
C618
C619
C620
C621
C622
C623
C624
C625
C626
C627
C628
C629
C630
C631
C632
C633
C634
C635
C636
C637
C638
C639
C640
C641
C642
C643
C644
C645
C646
C647
C648
C649
C650
C651
C652
C653
C654
C655
C656
C657
C658
C659
C660
C661
C662
C663
C664
C665
C666
C667
C668
C669
C670
C671
C672
C673
C674
C675
C676
C677
C678
C679
C680
C681
C682
C683
C684
C685
C686
C687
C688
C689
C690
C691
C692
C693
C694
C695
C696
C697
C698
C699
C700
C701
C702
C703
C704
C705
C706
C707
C708
C709
C710
C711
C712
C713
C714
C715
C716
C717
C718
C719
C720
C721
C722
C723
C724
C725
C726
C727
C728
C729
C730
C731
C732
C733
C734
C735
C736
C737
C738
C739
C740
C741
C742
C743
C744
C745
C746
C747
C748
C749
C750
C751
C752
C753
C754
C755
C756
C757
C758
C759
C760
C761
C762
C763
C764
C765
C766
C767
C768
C769
C770
C771
C772
C773
C774
C775
C776
C777
C778
C779
C780
C781
C782
C783
C784
C785
C786
C787
C788
C789
C790
C791
C792
C793
C794
C795
C796
C797
C798
C799
C800
C801
C802
C803
C804
C805
C806
C807
C808
C809
C810
C811
C812
C813
C814
C815
C816
C817
C818
C819
C820
C821
C822
C823
C824
C825
C826
C827
C828
C829
C830
C831
C832
C833
C834
C835
C836
C837
C838
C839
C840
C841
C842
C843
C844
C845
C846
C847
C848
C849
C850
C851
C852
C853
C854
C855
C856
C857
C858
C859
C860
C861
C862
C863
C864
C865
C866
C867
C868
C869
C870
C871
C872
C873
C874
C875
C876
C877
C878
C879
C880
C881
C882
C883
C884
C885
C886
C887
C888
C889
C890
C891
C892
C893
C894
C895
C896
C897
C898
C899
C900
C901
C902
C903
C904
C905
C906
C907
C908
C909
C910
C911
C912
C913
C914
C915
C916
C917
C918
C919
C920
C921
C922
C923
C924
C925
C926
C927
C928
C929
C930
C931
C932
C933
C934
C935
C936
C937
C938
C939
C940
C941
C942
C943
C944
C945
C946
C947
C948
C949
C950
C951
C952
C953
C954
C955
C956
C957
C958
C959
C960
C961
C962
C963
C964
C965
C966
C967
C968
C969
C970
C971
C972
C973
C974
C975
C976
C977
C978
C979
C980
C981
C982
C983
C984
C985
C986
C987
C988
C989
C990
C991
C992
C993
C994
C995
C996
C997
C998
C999
C1000
C1001
C1002
C1003
C1004
C1005
C1006
C1007
C1008
C1009
C1010
C1011
C1012
C1013
C1014
C1015
C1016
C1017
C1018
C1019
C1020
C1021
C1022
C1023
C1024
C1025
C1026
C1027
C1028
C1029
C1030
C1031
C1032
C1033
C1034
C1035
C1036
C1037
C1038
C1039
C1040
C1041
C1042
C1043
C1044
C1045
C1046
C1047
C1048
C1049
C1050
C1051
C1052
C1053
C1054
C1055
C1056
C1057
C1058
C1059
C1060
C1061
C1062
C1063
C1064
C1065
C1066
C1067
C1068
C1069
C1070
C1071
C1072
C1073
C1074
C1075
C1076
C1077
C1078
C1079
C1080
C1081
C1082
C1083
C1084
C1085
C1086
C1087
C1088
C1089
C1090
C1091
C1092
C1093
C1094
C1095
C1096
C1097
C1098
C1099
C1100
C1101
C1102
C1103
C1104
C1105
C1106
C1107
C1108
C1109
C1110
C1111
C1112
C1113
C1114
C1115
C1116
C1117
C1118
C1119
C1120
C1121
C1122
C1123
C1124
C1125
C1126
C1127
C1128
C1129
C1130
C1131
C1132
C1133
C1134
C1135
C1136
C1137
C1138
C1139
C1140
C1141
C1142
C1143
C1144
C1145
C1146
C1147
C1148
C1149
C1150
C1151
C1152
C1153
C1154
C1155
C1156
C1157
C1158
C1159
C1160
C1161
C1162
C1163
C1164
C1165
C1166
C1167
C1168
C1169
C1170
C1171
C1172
C1173
C1174
C1175
C1176
C1177
C1178
C1179
C1180
C1181
C1182
C1183
C1184
C1185
C1186
C1187
C1188
C1189
C1190
C1191
C1192
C1193
C1194
C1195
C1196
C1197
C1198
C1199
C1200
C1201
C1202
C1203
C1204
C1205
C1206
C1207
C1208
C1209
C1210
C1211
C1212
C1213
C1214
C1215
C1216
C1217
C1218
C1219
C1220
C1221
C1222
C1223
C1224
C1225
C1226
C1227
C1228
C1229
C1230
C1231
C1232
C1233
C1234
C1235
C1236
C1237
C1238
C1239
C1240
C1241
C1242
C1243
C1244
C1245
C1246
C1247
C1248
C1249
C1250
C1251
C1252
C1253
C1254
C1255
C1256
C1257
C1258
C1259
C1260
C1261
C1262
C1263
C1264
C1265
C1266
C1267
C1268
C1269
C1270
C1271
C1272
C1273
C1274
C1275
C1276
C1277
C1278
C1279
C1280
C1281
C1282
C1283
C1284
C1285
C1286
C1287
C1288
C1289
C1290
C1291
C1292
C1293
C1294
C1295
C1296
C1297
C1298
C1299
C1300
C1301
C1302
C1303
C1304
C1305
C1306
C1307
C1308
C1309
C1310
C1311
C1312
C1313
C1314
C1315
C1316
C1317
C1318
C1319
C1320
C1321
C1322
C1323
C1324
C1325
C1326
C1327
C1328
C1329
C1330
C1331
C1332
C1333
C1334
C1335
C1336
C1337
C1338
C1339
C1340
C1341
C1342
C1343
C1344
C1345
C1346
C1347
C1348
C1349
C1350
C1351
C1352
C1353
C1354
C1355
C1356
C1357
C1358
C1359
C1360
C1361
C1362
C1363
C1364
C1365
C1366
C1367
C1368
C1369
C1370
C1371
C1372
C1373
C1374
C1375
C1376
C1377
C1378
C1379
C1380
C1381
C1382
C1383
C1384
C1385
C1386
C1387
C1388
C1389
C1390
C1391
C1392
C1393
C1394
C1395
C1396
C1397
C1398
C1399
C1400
C1401
C1402
C1403
C1404
C1405
C1406
C1407
C1408
C1409
C1410
C1411
C1412
C1413
C1414
C1415
C1416
C1417
C1418
C1419
C1420
C1421
C1422
C1423
C1424
C1425
C1426
C1427
C1428
C1429
C1430
C1431
C1432
C1433
C1434
C1435
C1436
C1437
C1438
C1439
C1440
C1441
C1442
C1443
C1444
C1445
C1446
C1447
C1448
C1449
C1450
C1451
C1452
C1453
C1454
C1455
C1456
C1457
C1458
C1459
C1460
C1461
C1462
C1463
C1464
C1465
C1466
C1467
C1468
C1469
C1470
C1471
C1472
C1473
C1474
C1475
C1476
C1477
C1478
C1479
C1480
C1481
C1482
C1483
C1484
C1485
C1486
C1487
C1488
C1489
C1490
C1491
C1492
C1493
C1494
C1495
C1496
C1497
C1498
C1499
C1500
C1501
C1502
C1503
C1504
C1505
C1506
C1507
C1508
C1509
C1510
C1511
C1512
C1513
C1514
C1515
C1516
C1517
C1518
C1519
C1520
C1521
C1522
C1523
C1524
C1525
C1526
C1527
C1528
C1529
C1530
C1531
C1532
C1533
C1534
C1535
C1536
C1537
C1538
C1539
C1540
C1541
C1542
C1543
C1544
C1545
C1546
C1547
C1548
C1549
C1550
C1551
C1552
C1553
C1554
C1555
C1556
C1557
C1558
C1559
C1560
C1561
C1562
C1563
C1564
C1565
C1566
C1567
C1568
C1569
C1570
C1571
C1572
C1573
C1574
C1575
C1576
C1577
C1578
C1579
C1580
C1581
C1582
C1583
C1584
C1585
C1586
C1587
C1588
C1589
C1590
C1591
C1592
C1593
C1594
C1595
C1596
C1597
C1598
C1599
C1600
C1601
C1602
C1603
C1604
C1605
C1606
C1607
C1608
C1609
C1610
C1611
C1612
C1613
C1614
C1615
C1616
C1617
C1618
C1619
C1620
C1621
C1622
C1623
C1624
C1625
C1626
C1627
C1628
C1629
C1630
C1631
C1632
C1633
C1634
C1635
C1636
C1637
C1638
C1639
C1640
C1641
C1642
C1643
C1644
C1645
C1646
C1647
C1648
C1649
C1650
C1651
C1652
C1653
C1654
C1655
C1656
C1657
C1658
C1659
C1660
C1661
C1662
C1663
C1664
C1665
C1666
C1667
C1668
C1669
C1670
C1671
C1672
C1673
C1674
C1675
C1676
C1677
C1678
C1679
C1680
C1681
C1682
C1683
C1684
C1685
C1686
C1687
C1688
C1689
C1690
C1691
C1692
C1693
C1694
C1695
C1696
C1697
C1698
C1699
C1700
C1701
C1702
C1703
C1704
C1705
C1706
C1707
C1708
C1709
C1710
C1711
C1712
C1713
C1714
C1715
C1716
C1717
C1718
C1719
C1720
C1721
C1722
C1723
C1724
C1725
C1726
C1727
C1728
C1729
C1730
C1731
C1732
C1733
C1734
C1735
C1736
C1737
C1738
C1739
C1740
C1741
C1742
C1743
C1744
C1745
C1746
C1747
C1748
C1749
C1750
C1751
C1752
C1753
C1754
C1755
C1756
C1757
C1758
C1759
C1760
C1761
C1762
C1763
C1764
C1765
C1766
C1767
C1768
C1769
C1770
C1771
C1772
C1773
C1774
C1775
C1776
C1777
C1778
C1779
C1780
C1781
C1782
C1783
C1784
C1785
C1786
C1787
C1788
C1789
C1790
C1791
C1792
C1793
C1794
C1795
C1796
C1797
C1798
C1799
C1800
C1801
C1802
C1803
C1804
C1805
C1806
C1807
C1808
C1809
C1810
C1811
C1812
C1813
C1814
C1815
C1816
C1817
C1818
C1819
C1820
C1821
C1822
C1823
C1824
C1825
C1826
C1827
C1828
C1829
C1830
C1831
C1832
C1833
C1834
C1835
C1836
C1837
C1838
C1839
C1840
C1841
C1842
C1843
C1844
C1845
C1846
C1847
C1848
C1849
C1850
C1851
C1852
C1853
C1854
C1855
C1856
C1857
C1858
C1859
C1860
C1861
C1862
C1863
C1864
C1865
C1866
C1867
C1868
C1869
C1870
C1871
C1872
C1873
C1874
C1875
C1876
C1877
C1878
C1879
C1880
C1881
C1882
C1883
C1884
C1885
C1886
C1887
C1888
C1889
C1890
C1891
C1892
C1893
C1894
C1895
C1896
C1897
C1898
C1899
C1900
C1901
C1902
C1903
C1904
C1905
C1906
C1907
C1908
C1909

~~3~~
C3
9. (Amended) A DNA derived from coryneform bacterium, said DNA is defined in the following (a) or (b):

(a) a DNA which comprises at nucleotides 881 to 2623 of SEQ ID NO:1;

(B) a DNA which is hybridizable with a nucleotide sequence comprising at least nucleotides 881 to 2623 of SEQ ID NO:1 under a stringent condition, which comprises washing at 60°C in 1 X SSC and 0.1% SDS, and wherein said DNA codes for a protein having the ability to bind to penicillin.

Please add the following claim:

C4
10. (New) The DNA according to claim 9, wherein the DNA which is hybridizable with a nucleotide sequence comprising at least nucleotide 881 to 2623 of SEQ ID NO:1 under stringent conditions is not less than 50% homologous to nucleotides 881 to 2623 of SEQ ID NO:1.